

**AMENDMENTS TO THE ABSTRACT**

Please amend the abstract as follows:

A method for performing network reconstruction is provided. The method includes the steps of selecting a predictor set of features, adding a complement to the predictor set based on a quality of prediction, checking to see if all of the features of the predictor set are repeated, and then removing one feature from the predictor set. The Algorithm and method repeats the steps of adding a complement, checking the predictor set and removing a feature until the features of the predictor set are repeated. If the features of the predictor set are repeated, the algorithm and method terminate.